

**Amendments to the Abstract**

Please amend the Abstract on page 8 as follows:

~~The invention relates to a~~ A scintillation layer [(20)] for a PET-detector [.]  
~~The scintillation layer (20) consists of.~~ includes a plurality of scintillation elements [(21)] that are joined together in a practically gapless way and that are oriented towards the centre of curvature [(24)]. Depending on the form of the scintillation layer [(20)], the scintillation elements [(21)] may have for example the form of a truncated wedge or pyramid.

(Fig. 2)